

MAJOR SOURCE OPERATING PERMIT

Permittee: **Goodyear Tire and Rubber Company**

Facility Name: **Goodyear Tire and Rubber Company**

Facility No.: 307-0006

Location: Gadsden, Etowah County, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (2006 Rplc. Vol. and 2007 Cum. Supp.) and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

Issuance Date: *DRAFT*

Modification Date: *DRAFT*

Expiration Date: *DRAFT*

Alabama Department of Environmental Management

TABLE OF CONTENTS

GENERAL PERMIT PROVISOS	4
SUMMARY PAGE FOR RAW MATERIALS RECEIVING AND HANDLING	15
PROVISOS FOR RAW MATERIALS RECEIVING AND HANDLING	16
<i>Applicability.....</i>	<i>16</i>
<i>Emission Standards</i>	<i>16</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>16</i>
<i>Emission Monitoring</i>	<i>16</i>
<i>Recordkeeping and Reporting Requirements.....</i>	<i>17</i>
SUMMARY PAGE FOR RUBBER MIXING.....	18
PROVISOS FOR RUBBER MIXING	25
<i>Applicability.....</i>	<i>25</i>
<i>Emission Standards</i>	<i>25</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>26</i>
<i>Emission Monitoring</i>	<i>26</i>
<i>Recordkeeping and Reporting Requirements.....</i>	<i>27</i>
SUMMARY PAGE FOR TIRE STOCK PREPARATION	29
PROVISOS FOR TIRE STOCK PREPARATION	31
<i>Applicability.....</i>	<i>31</i>
<i>Emission Standards</i>	<i>31</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>32</i>
<i>Emission Monitoring</i>	<i>34</i>
<i>Recordkeeping and Reporting Requirements.....</i>	<i>34</i>
SUMMARY PAGE FOR TIRE BUILDING AND CURING.....	37
PROVISOS FOR TIRE BUILDING AND CURING	39
<i>Applicability.....</i>	<i>39</i>
<i>Emission Standards</i>	<i>40</i>

<i>Compliance and Performance Test Methods and Procedures</i>	40
<i>Emission Monitoring</i>	41
<i>Recordkeeping and Reporting Requirements</i>	41
SUMMARY PAGE FOR FINAL FINISHING	46
PROVISOS FOR FINAL FINISHING	49
<i>Applicability</i>	49
<i>Emission Standards</i>	49
<i>Compliance and Performance Test Methods and Procedures</i>	50
<i>Emission Monitoring</i>	51
<i>Recordkeeping and Reporting Requirements</i>	51
SUMMARY PAGE FOR MISCELLANEOUS SOLVENT USE	55
PROVISOS FOR MISCELLANEOUS SOLVENT USE	56
<i>Applicability</i>	56
<i>Emission Standards</i>	56
<i>Compliance and Performance Test Methods and Procedures</i>	56
<i>Emission Monitoring</i>	57
<i>Recordkeeping and Reporting Requirements</i>	57
SUMMARY PAGE FOR EMERGENCY RECIPROCATING INTERNAL COMBUSTION ENGINES	59
PROVISOS FOR EMERGENCY RECIPROCATING INTERNAL COMBUSTION ENGINES	61
<i>Applicability</i>	61
<i>Emission Standards</i>	61
<i>Compliance and Performance Test Methods and Procedures</i>	62
<i>Emission Monitoring</i>	62
<i>Recordkeeping and Reporting Requirements</i>	63

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)5.</p> <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> <p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> <p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	<p>Rule 335-3-16-.02(6)</p> <p>Rule 335-3-16-.12(2)</p> <p>Rule 335-3-16-.05(e)</p> <p>Rule 335-3-16-.05(f)</p> <p>Rule 335-3-16-.05(g)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	<p>Rule 335-3-16-.05(h)</p>
<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	<p>Rule 335-3-16-.05(i)</p>
<p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p>	<p>Rule 335-3-16-.05(j)</p>
<p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	<p>Rule 335-3-16-.05(k)</p>
<p>9. <u>Certification of Truth, Accuracy, and Completeness:</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p>	<p>Rule 335-3-16-.04(9)</p>
<p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the</p>	<p>Rule 335-3-16-.07(b)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>following:</p> <ul style="list-style-type: none"> (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. 	
<p>11. <u>Compliance Provisions</u></p> <ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. 	<p>Rule 335-3-16-.07(c)</p>
<p>12. <u>Compliance Certification</u></p> <p>A compliance certification covering the reporting period between January 1st and December 31st of each calendar year shall be submitted to the Deptment no later than March 1st of each calendar year.</p> <ul style="list-style-type: none"> (a) The compliance certification shall include the following: <ul style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; (2) The compliance status; (3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements); (4) Whether compliance has been continuous or intermittent; 	<p>Rule 335-3-16-.07(e)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> <p style="padding-left: 40px;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="padding-left: 80px;">and to:</p> <p style="padding-left: 40px;">Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303</p>	
<p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p> <p>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> <p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	<p>Rule 335-3-16-.13(5)</p>
<p>14. <u>Additional Rules and Regulations</u></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional</p>	<p>§22-28-16(d), Code of Alabama 1975, as</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>	<p>amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none"> (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period. <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	<p>Rule 335-3-1-.07(1), (2)</p>
<p>16. <u>Operation of Capture and Control Devices</u></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	
<p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	<p>Rule 335-3-1-.08</p>
<p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <ol style="list-style-type: none"> (1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic; (2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; (3) By paving; (4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.</p>	<p>Rule 335-3-4-.02</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 and .14</p>
<p>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <ul style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit</p>	<p>Rule 335-3-16-.05(c)2.</p>
<p>21. <u>Reporting Requirements</u></p> <p>(a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p>	<p>Rule 335-3-16-.05(c)3.</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>22. <u>Emission Testing Requirements</u></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <ol style="list-style-type: none"> (1) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests. (2) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning). (3) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity. (4) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances. <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p> <p>Rule 335-3-1-.04</p> <p>Rule 335-3-1-.04</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
23. <u>Payment of Emission Fees</u>	
<p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.</p>	<p>Rule 335-1-7-.04</p>
24. <u>Other Reporting and Testing Requirements</u>	
<p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p>	<p>Rule 335-3-1-.04(1)</p>
25. <u>Title VI Requirements (Refrigerants)</u>	
<p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p>	<p>40 CFR Part 82</p>
<p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p>	
<p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p>	
26. <u>Chemical Accidental Prevention Provisions</u>	
<p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p>	<p>40 CFR Part 68</p>
<p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p>	
<p>(b) The owner or operator shall submit one of the following:</p>	
<p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or,</p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.</p>	
<p>27. <u>Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will be made readily available for inspection by any or all persons who may request to see it.</p>	<p>Rule 335-3-14-.01(1)(d)</p>
<p>28. <u>Circumvention</u></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>	<p>Rule 335-3-1-.10</p>
<p>29. <u>Visible Emissions</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p>	<p>Rule 335-3-4-.01(1)</p>
<p>30. <u>Fuel-Burning Equipment</u></p> <p>(a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.</p> <p>(b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.</p>	<p>Rule 335-3-4-.03</p> <p>Rule 335-3-5-.01</p>
<p>31. <u>Process Industries – General</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.</p>	<p>Rule 335-3-4-.04</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>32. <u>Averaging Time for Emission Limits</u></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p> <p>33. <u>Emissions Inventory Reporting Requirements</u></p> <p>In order to meet the statewide emissions inventory reporting requirements under 40 CFR 51, Appendix A, the permittee shall comply with the reporting requirements under ADEM Admin. Code r. 335-3-1-.15.</p>	<p>Rule 335-3-1-.05</p> <p>Rule 335-3-1-.15</p>

Summary Page for Raw Materials Receiving and Handling

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
33-1235	Pigment Blending with Baghouse	PM	$E = 3.59P^{0.62}$ (P < 30 TPH) OR $E = 17.31P^{0.16}$ (P ≥ 30TPH)	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-1140	Manual Pre-Weigh Stations with Baghouse	PM	$E = 3.59P^{0.62}$ (P < 30 TPH) OR $E = 17.31P^{0.16}$ (P ≥ 30TPH)	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
ST 1-17	Storage Tanks	VOC	N/A	N/A

Provisos for Raw Materials Receiving and Handling

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	Rule 335-3-16-.03
2. These sources are subject to ADEM Admin. Code r. 335-3-4-.04(1), “ <i>Control of Particulate Emissions for Process Industries - General</i> ”.	Rule 335-3-4-.04(1)
3. These sources are subject to ADEM Admin. Code r. 335-3-4-.01(1), “ <i>Control of Particulate Emissions – Visible Emissions</i> ”.	Rule 335-3-4-.01(1)
<u>Emission Standards</u>	
1. Visible emissions (VE) from these units shall not exceed the opacity limitations as specified in General Proviso No. 29.	Rule 335-3-4-.01(1)
2. Particulate matter (PM) emissions from these units shall not exceed the limitations as specified in General Proviso No. 31.	Rule 335-3-4-.04(1)
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate matter (PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	Rule 335-3-1-.05
2. If testing is required, volatile organic compound (VOC) emissions shall be determined in accordance with Method 25 of 40 CFR 60, Appendix A.	Rule 335-3-1-.05
3. Visible emissions observations (VEO) shall be conducted in accordance with Method 9 of 40 CFR 60, Appendix A.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. An observation of instantaneous visible emissions from each baghouse associated with these units shall be accomplished weekly while in operation by an individual certified to determine opacity.	Rule 335-3-16-.05(c)(1)
2. If the observed instantaneous opacity from either baghouse is greater than ten (10%) percent, a series of fifteen (15) second visible emissions observations shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR 60 Appendix A, Method 9 for a minimum of twelve (12) consecutive minutes.	Rule 335-3-16-.05(c)(1)

Federally Enforceable Provisos**Regulations**

3. If the six (6) minute average opacity during any Method 9 visible emission observation exceeds ten (10%) percent, corrective action shall be initiated within **two (2) hours**.

Rule 335-3-16-.05(c)(1)

Recordkeeping and Reporting Requirements

1. Records of the observation date, observation time, emission point designation, name of the observer, expiration date of observer's certification, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.

Rule 335-3-16-.05(c)(2)

2. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation form. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.

Rule 335-3-16-.05(c)(2)

3. A semi-annual monitoring report shall be submitted to the Department according the following schedule:

Rule 335-3-16-.05(c)(3)

Reporting Period	Due Date
January 1 st through June 30 th	August 29 th
July 1 st through December 31 st	March 1 st

4. The semi-annual monitoring report shall include the following information:

Rule 335-3-16-.05(c)(3)

- (a) Calendar dates covered in the reporting period;
- (b) A detailed description of every instance in which six (6) minute average visible emissions greater than ten (10%) percent were observed, to include the date, time, cause of the visible emissions, and the corrective action taken;
- (c) A copy of every Method 9 VEO form generated during the reporting period;
- (d) A statement of certification of truth, accuracy, and completeness as described in General Permit Proviso No. 9;
- (e) Signature of the responsible official as required by General Permit Proviso No. 9.

Summary Page for Rubber Mixing

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
33-1238	Banbury Mixer No. 0 with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-N/N BB00	Banbury Mixer No. 0 Pellet Feeder with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-1237	Banbury Mixer No. 2 with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)

2C-EF-5C BB02PF	Banbury Mixer No. 2 Pellet Feeder with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4- .01(1)(a)(b)
33-1333	Banbury Mixer No. 2 Pellet Receiver with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4- .01(1)(a)(b)
33-1239	Banbury Mixer No. 3 with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4- .01(1)(a)(b)
		VOC	20.10 lb/hr per batch	ADEM Admin. Code r. 335-3-14-.04 BACT
33-0562	Banbury Mixer No. 3 Pellet Feeder with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)

		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-N/N BB04DC	Banbury Mixer No. 4 with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-N/N BB04PF	Banbury Mixer No. 4 Pellet Feeder with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-1242	Banbury Mixer No. 6 with Baghouse	PM	3.42 lb/hr (combined)	ADEM Admin. Code r. 335-3-14-.04 BACT
#6 Pellet	Banbury Mixer No. 6 Pellet Feeder with Baghouse	PM		
33-0796	Banbury Mixer No. 6 Pellet Receiver with Baghouse	PM		
33-1242	Banbury Mixer No. 6 with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
#6 Pellet	Banbury Mixer No. 6 Pellet Feeder with Baghouse	PM		
33-0796	Banbury Mixer No. 6 Pellet Receiver with Baghouse	PM		
		Opacity	20% opacity on six (6) minute average except for one emission of 40%	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)

			opacity on six (6) minute average during any 60-minute period	
33-1243	Banbury Mixer No. 7 with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-1116	Banbury Mixer No. 7 Pellet Feeder with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-N/N BB07	Banbury Mixer No. 7 Pellet Receiver with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-1244	Banbury Mixer No. 8 with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)

		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-0391	Banbury Mixer No. 8 Pellet Feeder with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-1162	Banbury Mixer No. 10 with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-N/N BB10	Banbury Mixer No. 10 Pellet Feeder with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)

33-1230	Banbury Mixer No. 11 with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-N/N BB11	Banbury Mixer No. 11 Pellet Feeder with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-1164	Banbury Mixer No. 12 with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
33-1141	Banbury Mixer No. 27 with Baghouse	PM	3.3 lb/hr (combined)	ADEM Admin. Code r. 335-3-14-.04 BACT
33-N/N BB27	Banbury Mixer No. 27 Pellet Receiver with Baghouse	PM		
33-1141	Banbury Mixer No. 27 with Baghouse	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
33-N/N BB27	Banbury Mixer No. 27 Pellet Receiver with Baghouse	PM		

		Opacity	20% opacity on six (6) minute average except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
SFR Mixing	Specially Formulated Rubber Mixing	VOC	5.82 lb VOC/ton SFR/batch	ADEM Admin. Code r. 335-3-14-.04 BACT
SFR Mixing	Specially Formulated Rubber Mixing	VOC	10.8 tons VOC/month	ADEM Admin. Code r. 335-3-14-.04 BACT
SFR Mixing	Specially Formulated Rubber Mixing	VOC	10,700 tons of non-productive SFR	ADEM Admin. Code r. 335-3-14-.04 BACT
SFR Mixing	Specially Formulated Rubber Mixing	VOC	54,873 tons of productive SFR	ADEM Admin. Code r. 335-3-14-.04 BACT
Banbury Mixers Nos. 0,2,4,6,7,8,10,11, and 12	Banbury Mixers Nos. 0,2,4,6,7,8,10,11, and 12	VOC	17.50 lb/hr per Banbury per batch	ADEM Admin. Code r. 335-3-14-.04 BACT

Provisos for Rubber Mixing

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	Rule 335-3-16-.03
2. These sources are subject to ADEM Admin. Code r. 335-3-4-.04(1), “ <i>Control of Particulate Emissions for Process Industries - General</i> ”.	Rule 335-3-4-.04(1)
3. These sources are subject to ADEM Admin. Code r. 335-3-4-.01(1), “ <i>Control of Particulate Emissions – Visible Emissions</i> ”.	Rule 335-3-4-.01(1)
4. Several of these units have enforceable limits in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, “ <i>Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]</i> ”.	Rule 335-3-14-.04 BACT
5. Per 40 CFR §63.5982(b)(4), these units are subject to the applicable provisions of 40 CFR 63 Subpart XXXX, “ <i>National Emissions Standards for Hazardous Air Pollutants for Rubber Tire Manufacturing</i> ”.	40 CFR 63 Subpart XXXX §63.5982(b)(4)
6. Per 40 CFR §63.6013, these units are subject to the applicable provisions of 40 CFR 63 Subpart A, “ <i>General Provisions</i> ” as listed in Table 17 of 40 CFR 63 Subpart XXXX.	40 CFR 63 Subpart XXXX §63.6013 – Table 17
<u>Emission Standards</u>	
1. Visible emissions (VE) from these units shall not exceed the opacity limitations as specified in General Proviso No. 29.	Rule 335-3-4-.01(1)
2. Particulate matter (PM) emissions from these units shall not exceed the limitations as specified in General Proviso No. 31.	Rule 335-3-4-.04(1)
3. Combined Particulate Matter (PM) emissions from the Banbury 27 Dust Collector (33-1141) and Banbury 27 Pellet Receiver Dust Collector (33-N/N BB27) shall not exceed 3.3 lb/hr.	Rule 335-3-14-.04 BACT
4. Combined Particulate Matter (PM) emissions from the Banbury 6 Dust Collector (33-1242), Banbury 6 Pellet Receiver Dust Collector (33-0796), and Banbury 6 Pellet Feed Dust Collector (#6 Pellet) shall not exceed 3.42 lb/hr.	Rule 335-3-14-.04 BACT
5. Banbury Mixer No. 27 shall not be used to process SFR.	Rule 335-3-14-.04 BACT

Federally Enforceable Provisos	Regulations
6. Total VOC emissions from the processing of SFR in the mixing operation shall not exceed 5.82 pounds of VOC per ton of SFR on a per batch basis (lb/ton/batch).	Rule 335-3-14-.04 BACT
7. Total VOC emissions from the processing of SFR in the mixing operation shall not exceed 10.8 tons of VOC per month (tons/month).	Rule 335-3-14-.04 BACT
8. Total VOC emissions from Banburys Nos. 0, 2, 4, 6, 7, 8, 10, 11, and 12, shall not exceed 17.50 pounds per hour (lb/hr) of VOC per Banbury on a per batch basis.	Rule 335-3-14-.04 BACT
9. Total VOC emissions from Banbury No. 3 shall not exceed 20.10 pounds per hour (lb/hr) of VOC on a per batch basis.	Rule 335-3-14-.04 BACT
10. No more than 10,700 tons of non-productive SFR may be processed in the Banbury Mixers per month.	Rule 335-3-14-.04 BACT
11. No more than 54,873 tons of productive SFR may be processed in the Banbury Mixers per month	Rule 335-3-14-.04 BACT
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate matter (PM) emission shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	Rule 335-3-1-.05
2. If testing is required, volatile organic compound (VOC) emissions shall be determined in accordance with Method 25 of 40 CFR 60, Appendix A.	Rule 335-3-1-.05
3. Visible emissions observations (VEO) shall be conducted in accordance with Method 9 of 40 CFR 60, Appendix A.	Rule 335-3-1-.05
4. When calculating monthly VOC emissions from SFR processing in the mixing operation, VOC emissions resulting from the productive mixing of SFR initially mixed at other facilities shall be included.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. Compliance with the VOC and HAP limits shall be based upon materials use and inventory records.	Rule 335-3-16-.05(c)
2. An observation of instantaneous visible emissions from each baghouse associated with these units shall be accomplished weekly while in operation by an individual certified to determine opacity.	Rule 335-3-16-.05(c)
3. If the observed instantaneous opacity from any unit is greater than ten (10%) percent, a series of fifteen (15) second visible	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
<p>emissions observations shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR 60 Appendix A, Method 9 for a minimum of twelve (12) consecutive minutes.</p>	
<p>4. If the six (6) minute average opacity during any Method 9 visible emission observation exceeds ten (10%) percent, corrective action shall be initiated within two (2) hours.</p>	<p>Rule 335-3-16-.05(c)</p>
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<p>1. Records summarizing the monthly SFR usage for both productive and non-productive SFR (in tons) shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p>	<p>Rule 335-3-16-.05(c)(2)</p>
<p>2. Records summarizing the SFR per batch and monthly VOC emissions shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p>	<p>Rule 335-3-16-.05(c)(2)</p>
<p>3. Monthly SFR usage and VOC emissions records shall be compiled no later than the fifteenth (15th) day of the month following each monthly reporting period.</p>	<p>Rule 335-3-16-.05(c)(2)</p>
<p>4. Records of the observation date, observation time, emission point designation, name of the observer, expiration date of observer's certification, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.</p>	<p>Rule 335-3-16-.05(c)(2)</p>
<p>5. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation form. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.</p>	<p>Rule 335-3-16-.05(c)(2)</p>
<p>6. A semi-annual monitoring report shall be submitted to the Department according the following schedule:</p>	<p>Rule 335-3-16-.05(c)(3)</p>

Federally Enforceable Provisos**Regulations**

Reporting Period	Due Date
January 1 st through June 30 th	August 29 th
July 1 st through December 31 st	March 1 st

7. The semi-annual monitoring report shall include the following information:

- (a) Calendar dates covered in the reporting period;
- (b) Amount of non-productive SFR processed each month;
- (c) Summary of ethanol VOC emissions from the processing of SFR on a per batch basis;
- (d) Total monthly ethanol VOC emissions associated with the mixing of SFR;
- (e) A detailed description of every instance in which six (6) minute average visible emissions greater than ten (10%) percent were observed, to include the date, time, cause of the visible emissions, and the corrective action taken;
- (f) A copy of every Method 9 VEO form generated during the reporting period;
- (g) A statement of certification of truth, accuracy, and completeness as described in General Permit Proviso No. 9;
- (h) Signature of the responsible official as required by General Permit Proviso No. 9.

Rule 335-3-16-.05(c)(3)

Summary Page for Tire Stock Preparation

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EF 1N/200, EF-1	12 x 6 Tread Line	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
EF-1H-301	12 x 6 Tread Line – Tread End Cementing	VOC	10 g/tread	40 CFR 60 Subpart BBB §60.542(a)(3)
	12 x 6 Tread Line – Tread Marking & Tread Cement, Plummer Green Tire Sprayers No. 1 and No. 2	VOC	39.0 TPY	ADEM Admin. Code r. 3353-14-.04 (Anti - PSD)
EF-1H-301	12 x 6 Tread Line – Tread Marking & Tread Cementing	Listed HAP	1,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1
EF-1H-301	12 x 6 Tread Line – Tread Marking & Tread Cementing	Non-Listed HAP	10,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1
3B-EF-D5	No. 6 Chafer/Sidewall Line	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
CP-5 – Mills EF-5 – Calendar EF-1H-300 – General Exh.	Z-Calender	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
EF-5	Z-Calender Marking Inks	Listed HAP	1,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1
EF-5	Z-Calender Marking Inks	Non-Listed HAP	10,000 g/Mg	40 CFR Subpart XXXX – Table No. 1
CP-12 – Mills CP-14 – Extruder	6 x 8 Line	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)

X022	Combination Cold-Feed Extruder and Tread Cold-Feed Extruder (Quad)	PM	$E = 3.59P^{0.62}$ (P < 30 TPH) OR $E = 17.31P^{0.16}$ (P ≥ 30 TPH)	ADEM Admin. Code r. 335-3-4-.04(1)
	Quad Extruder – Tread End Cementing Operation	VOC	13.20 tpy	ADEM Admin. Code r. 3353-14-.04 (Anti - PSD)
	Quad Extruder Tread End Cementing & Marking Ink	VOC	10 g/tread	40 CFR 60 Subpart BBB §60.542(a)(3)
	Quad Extruder – Tread End Cementing Operation	Listed HAP	1,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1
	Quad Extruder – Tread End Cementing Operation	Non-Listed HAP	10,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1

Provisos for Tire Stock Preparation

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>“Major Source Operating Permits”</i>	Rule 335-3-16-.03
2. These sources are subject to ADEM Admin. Code r. 335-3-4-.04(1), <i>“Control of Particulate Emissions for Process Industries - General”</i> .	Rule 335-3-4-.04(1)
3. The tread end cementing portions of these units are subject to ADEM Admin. Code r. 335-3-6-.17, <i>“Manufacture of Pneumatic Rubber Tires”</i> .	Rule 335-3-6-.17(2)(a)
4. The 12 x 6 Tread Line has enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04. <i>“Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]”</i> .	Rule 335-3-14-.04 (Anti-PSD)
5. The tread end cementing portions of these units are subject to the applicable provisions of 40 CFR 60 Subpart BBB, <i>“Standards of Performance for the Rubber Tire Manufacturing Industry”</i> .	40 CFR 60 Subpart BBB §60.540
6. The tread end cementing portions of these units are subject to the applicable provisions of 40 CFR 60 Subpart A, <i>“General Provisions”</i> .	40 CFR 60 Subpart A
7. The tire marking and tread end cementing portions of these units are subject to the applicable requirements of 40 CFR 63 Subpart XXXX, <i>“National Emissions Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing”</i> .	40 CFR 63 Subpart XXXX §63.5982(b)(4)
8. The tire marking and tread end cementing portions of these units are subject to the applicable provisions of 40 CFR 63 Subpart A, <i>“General Provisions”</i> as listed in Table 17 of 40 CFR 63 Subpart XXXX.	40 CFR 63 Subpart XXXX §63.6013 – Table 17
<u>Emission Standards</u>	
1. Particulate matter (PM) emissions from these units shall not exceed the limitations as specified in General Proviso No. 31.	Rule 335-3-4-.04(1)
2. Volatile organic compound (VOC) emissions from the tread end cementing portions of these units shall not exceed 10 grams (0.022 lb) of VOC per tire cemented for each month.	40 CFR 60 Subpart BBB §60.542(a)(3)

Federally Enforceable Provisos	Regulations
<p>3. Combined VOC emissions from the 12 x 6 Tread Line and Two (2) Plummer 8900 Green Tire Sprayers shall not exceed 39.0 tons in any consecutive twelve (12) month period.</p> <p>4. Combined emissions of volatile organic compounds (VOC) from the tread end cementing operations of Quad Extruders shall not exceed of 13.20 tons in any consecutive 12-month period</p> <p>5. Content of each HAP listed in Table 16 of Subpart XXXX shall not exceed 1,000 grams of HAP per megagram (2 lb per ton) of total cements and solvents used.</p> <p>6. Content of each HAP not listed in Table 16 of Subpart XXXX shall not exceed 10,000 grams of HAP per megagram (20 lb per ton) of total cements and solvents used.</p>	<p>Rule 335-3-14-.04 (Anti-PSD)</p> <p>Rule 335-3-14-.04 (Anti-PSD)</p> <p>40 CFR 63 Subpart XXXX §63.5984 – Table 1</p> <p>40 CFR 63 Subpart XXXX §63.5984 – Table 1</p>
<u>Compliance and Performance Test Methods and Procedures</u>	
<p>1. Compliance with the annual VOC limit shall be determined by the following equation:</p> <p><i>VOC emissions = Amount Used (gal/year) x Cementing Density (lb of VOC/gal) x ton / 2000 lbs</i></p> <p>2. If water based cements containing less than 1.0 percent VOC (by weight) are used in the tread end cementing operation, formulation data or the results of Method 24 analyses shall be submitted to the Department annually, provided that the formula has not changed during the previous twelve (12) months.</p> <p>3. If water based cements containing 1.0 percent VOC (by weight) or more are used in the tread end cementing operation, then the following procedure shall be used to determine compliance with the VOC emission limit per tire:</p> <p>(a) Determine the density and weight fraction of VOC in each cement from its formulation data or by analysis of the cement using Method 24;</p> <p>(b) Calculate the total mass of VOC used at the affected facility for the month (M_o) using the following equation:</p> $M_o = \sum_{i=1}^a L_{c(i)} \times D_{c(i)} \times W_{o(i)}$	<p>Rule 335-3-14-.04 (Anti-PSD)</p> <p>40CFR 60 Subpart BBB §60.543(b)(4)</p> <p>40 CFR 60 Subpart BBB §60.543(d)(1)-(5)</p>

Federally Enforceable Provisos	Regulations
<p>Where:</p> <p>a = the different number of cements used during the month</p> <p>L_c = volume of cement used during the month</p> <p>D_c = density of cement used</p> <p>W_o = weight fraction of VOC in a cement</p> <p>(c) Determine the total number of tires (T_o) cemented for the month;</p> <p>(d) Calculate the mass of VOC used per tire cemented for the month (G) using the following equation:</p> $G = \frac{M_o}{T_o}$ <p>(e) Calculate the mass of VOC emitted per tire cemented for the month (N):</p> $N = G$	
<p>3. The density and weight fraction of VOC in each cement shall be determined from its formulation data or by analysis of the cement using Method 24 or 40 CFR 60, Appendix A.</p>	<p>40 CFR 60 Subpart BBB</p> <p>§60.547(a)(1)</p>
<p>4. If testing is required, volatile organic compound (VOC) emissions shall be determined in accordance with Method 25 of 40 CFR 60, Appendix A.</p>	<p>40 CFR 60 Subpart BBB</p> <p>§60.547(a)(2)</p>
<p>5. Method 311 of 40 CFR 63 Appendix A, supplier formulation data, or any other reasonable means shall be used in the determination of HAP content in any cement or solvent used in this process.</p>	<p>40 CFR 63 Subpart XXXX</p> <p>§63.5994(a)</p>
<p>6. In order to demonstrate compliance with the applicable emission limits for tire production affected sources using the compliance alternative described in § 63.5985(a), purchase alternative, Method 311 40 CFR 63 Appendix A, supplier formulation data, or any other reasonable means shall be used in the determination of HAP content in any cement or solvent used in this process.</p>	<p>40 CFR 63 Subpart XXXX</p> <p>§63.5994(b)(1)</p>
<p>7. Other reasonable means include, but are not limited to: Safety Data Sheets (SDS); certified product data sheets (CPDS); or manufacturer's hazardous air pollutant data sheets.</p>	<p>40 CFR 63 Subpart XXXX</p>
	<p>§63.5994(a)(1)</p>

Federally Enforceable Provisos	Regulations
<p><u>Emission Monitoring</u></p> <p>1. Compliance with the VOC and HAP limits shall be based upon material use and inventory records.</p>	<p>Rule 335-3-16-.05(c)</p>
<p><u>Recordkeeping and Reporting Requirements</u></p> <p>1. Records of the type, quantity, and VOC content, expressed in both pounds per gallon (lb/gal) and percent by weight (%), of each cement or spray used in this process each month shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p> <p>2. Records summarizing the monthly and twelve (12) month rolling total of VOC emissions, expressed in both pounds (lb) and tons, from the 12 x 6 Tread Line and the Two (2) Plummer 8900 Green Tire Sprayers shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p> <p>3. Monthly and updated twelve (12) month VOC emissions records shall be compiled no later than the fifteenth (15th) day of the month following each monthly reporting period.</p> <p>4. During any month, twelve (12) month period, or other compliance period during which there is an exceedance of the VOC emission limit, the Department shall be notified in writing within ten (10) working days of determining the exceedance. The notification shall include the following:</p> <p>(a) Dates covered during the reporting period;</p> <p>(b) Amount of VOC containing materials used during the reporting period;</p> <p>(c) Amount of VOC emitted during the reporting period;</p> <p>(d) Description of the cause of the exceedance; and</p> <p>(e) Description of any corrective action taken.</p> <p>5. A semi-annual monitoring report shall be submitted to the Department according the following schedule:</p>	<p>Rule 335-3-16-.05(c)(2)</p> <p>Rule 335-3-16-.05(c)(2)</p> <p>Rule 335-3-16-.05(c)(2)</p> <p>40 CFR 60 Subpart BBB §60.546(f)</p> <p>Rule 335-3-16-.06(c)(3)</p>

Federally Enforceable Provisos**Regulations**

Reporting Period	Due Date
January 1 st through June 30 th	August 29 th
July 1 st through December 31 st	March 1 st

6. The semi-annual monitoring report shall include the following information:
- (a) Calendar dates covered in the reporting period;
 - (b) Type and quantity (in gallons) of each VOC containing material used during the reporting period;
 - (c) VOC content of each material used (in both lb/gal and % by weight);
 - (d) Calculated amount of VOC emitted during the reporting period;
 - (e) Calculated amount of VOC emitted during the previous twelve (12) month period;
 - (f) Total quantity of treads cemented on each tread end cementing operation for each month;
 - (g) The grams of VOC discharged per tire (g/tire) cemented for each tread end cementing operation for each month.
7. Records of Method 311 (40 CFR part 60, appendix A), or approved alternative method, test results indicating the mass percent of each HAP for each cement and solvent as purchased shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.
8. A list of each cement and solvent as purchased and the manufacturer or supplier of each shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.
9. A Subpart XXXX annual compliance report shall be submitted to the Department according the following schedule:

Rule 335-3-16-.06(c)(3)

40 CFR 63
Subpart XXXX

Table 9

40 CFR 63
Subpart XXXX

Table 9

40 CFR 63
Subpart XXXX

Federally Enforceable Provisos**Regulations**

Reporting Period	Due Date
January 1 st through December 31 st	March 1 st

§63.6010(f)

10. Each Subpart XXXX annual compliance report shall include the following:

40 CFR 63
Subpart XXXX

(a) Facility name and address;

§63.6010(c) and (d)

(b) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report as outlined in General Proviso No. 9;

(c) Date of report and beginning and ending dates of the reporting period;

(d) If no deviations occurred during the reporting period, a statement that there were no deviations from the emission limitations;

(e) The emission limit option and compliance alternative method chosen;

(f) For each annual reporting period during which the source uses a cement or solvent that, as purchased, was not included in the list submitted with the Notification of Compliance Status in 63.6009(g), an updated list of all cements and solvents used, as purchased, at the affected source, and a statement certifying that each cement and solvent, as purchased, that was used at the affected source during the reporting period met the HAP constituent limits in Table 1 to Subpart XXXX;

(g) If deviations occurred during the reporting period, the report must contain the following information:

- i. Total operating time of each affected source during the reporting period;
- ii. A statement of the duration and cause of each deviation;
- iii. A description of any corrective action initiated and completed.

Summary Page for Tire Building and Curing

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EF 1K-PL1, EF 1K-PL2, EF 1K-PL3, EF 1K-PL4	Green Tire Sprayers (Ilmberger Green Tire Spray Machine and Plummer 8900 Green Tire Spray Machines Nos. 1, 2, and 3)	VOC	9.3 g/tire sprayed with an outside green tire spray each month per unit	40 CFR 60 Subpart BBB §60.542(a)(5)
EF 1K-PL1, EF 1K-PL2, EF 1K-PL3, EF 1K-PL4	Green Tire Sprayers (Ilmberger Green Tire Spray Machine and Plummer 8900 Green Tire Spray Machines Nos. 1, 2, and 3)	VOC	1.2 g/tire sprayed with an inside green tire spray each month per unit	40 CFR 60 Subpart BBB §60.542(a)(5)
EF 1K-PL1, EF 1K-PL2	Green Tire Sprayers (Plummer Green Tire Sprayers No. 1 & No. 2, 12 x 6 Tread Line – Tread Marking and Tread Cement)	VOC	39.0 TPY (combined limit)	ADEM Admin. Code r. 335-14-.04 (Anti-PSD)
EF 1K-PL3	Green Tire Sprayer (Plummer Green Tire Sprayer #3)	VOC	2.0 TPY	ADEM Admin. Code r. 335-14-.04 (Anti-PSD)
EF 1K-PL1, EF 1K-PL2, EF 1K-PL3, EF 1K-PL4	Green Tire Sprayers (Ilmberger Green Tire Spray Machine and Plummer 8900 Green Tire Spray Machines Nos. 1, 2, and 3)	Listed HAP	1,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1
EF 1K-PL1, EF 1K-PL2, EF 1K-PL3, EF 1K-PL4	Green Tire Sprayers (Ilmberger Green Tire Spray Machine and Plummer 8900 Green Tire Spray Machines Nos. 1, 2, and 3)	Non-Listed HAP	10,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1
C-1, C-2	Curing (168 Preses)	VOC	28.46 tons per month associated with curing SFR	ADEM Admin. Code r. 335-3-14-.04 BACT
		VOC	1,522,800 pounds of SFR rubber per day	ADEM Admin. Code r. 335-3-14-.04 BACT
		Listed HAP	1,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1

		Non-Listed HAP	10,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1
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Provisos for Tire Building and Curing

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>“Major Source Operating Permits”</i> .	Rule 335-3-16-.03
2. The green tire sprayers are subject to ADEM Admin. Code r. 335-3-6-.17, <i>“Manufacture of Pneumatic Rubber Tires”</i> .	Rule 335-3-6-.17(2)(a)
3. Plummer 8900 Green Tire Sprayers No. 1 and No. 2 have enforceable limits in place in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04. <i>“Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]”</i> .	Rule 335-3-14-.04 (Anti-PSD)
4. Plummer 8900 Green Tire Sprayer No. 3 has an enforceable limit in place in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04. <i>“Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]”</i> .	Rule 335-3-14-.04 (Anti-PSD)
5. The Curing Presses have enforceable limits in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04. <i>“Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]”</i> .	Rule 335-3-14-.04 BACT
6. The green tire sprayers are subject to the applicable provisions of 40 CFR 60 Subpart BBB, <i>“Standards of Performance for the Rubber Tire Manufacturing Industry”</i> .	40 CFR 60 Subpart BBB §60.540
7. The green tire sprayers are subject to the applicable provisions of 40 CFR 60 Subpart A, <i>“General Provisions”</i> .	40 CFR 60 Subpart BBB
8. The green tire sprayers are subject to the applicable provisions of 40 CFR 63 Subpart XXXX, <i>“National Emissions Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing”</i> .	40 CFR 63 Subpart XXXX §63.5982(b)(1)
9. The green tire sprayers are subject to the applicable provisions of 40 CFR 63 Subpart A, <i>“General Provisions”</i> as listed in Table 17 of 40 CFR 63 Subpart XXXX.	40 CFR 63 Subpart XXXX §63.6013 – Table 17

Federally Enforceable Provisos	Regulations
<u>Emission Standards</u>	
1. The VOC content of water-based sprays used by the Green Tire Sprayers shall not exceed 1.2 grams (0.0026 lb) of VOC per tire sprayed with an inside green tire spray for each month.	40 CFR 60 Subpart BBB §60.542(a)(5)(i)
2. The VOC content of water-based sprays used by the Green Tire Sprayers shall not exceed 9.3 grams (0.021 lb) of VOC per tire sprayed with an outside green tire spray for each month.	40 CFR 60 Subpart BBB §60.542(a)(5)(ii)
3. Combined VOC emissions from the 12 x 6 Tread Line and Plummer 8900 Green Tire Sprayers No. 1 and 2 shall not exceed 39.0 tons per year (TPY) in any consecutive twelve (12) month period.	Rule 335-3-14-.04 (Anti-PSD)
4. VOC emissions from the Plummer 8900 Green Tire Sprayer No. 3 shall not exceed 2.0 TPY in any consecutive twelve (12) month period.	Rule 335-3-14-.04 (Anti-PSD)
5. VOC emissions associated with the curing of Specially Formulated Rubber (SFR) shall not exceed 28.46 tons per month.	Rule 335-3-14-.04 BACT
6. Rubber throughput in the curing process shall not exceed 1,522,800 pounds per day.	Rule 335-3-14-.04 BACT
7. Content of each HAP listed in Table 16 of Subpart XXXX shall not exceed 1,000 grams of HAP per megagram (2 lb per ton) of total cements and solvents used.	40 CFR 63 Subpart XXXX §63.5984 – Table 1
8. Content of each HAP not listed in Table 16 of Subpart XXXX shall not exceed 10,000 grams of HAP per megagram (20 lb per ton) of total cements and solvents used.	40 CFR 63 Subpart XXXX §63.5984 – Table 1
<u>Compliance and Performance Test Methods and Procedures</u>	
1. Owners or operators of green tire spraying operations using water-based sprays containing greater than or equal to 1.0 percent VOC (by weight) shall demonstrate compliance with all applicable VOC emission limits using the methods outlined in 40 CFR §60.543(d).	40 CFR 60 Subpart BBB §60.543(d)
2. Formulation data or the results of Method 24 analyses for the water based sprays containing less than 1.0 percent VOC (by weight) shall be submitted to the Department annually, provided that the formula has not changed during the previous twelve (12) months.	40CFR 60 Subpart BBB §60.543(b)(4)

Federally Enforceable Provisos	Regulations
3. If testing is required, volatile organic compound (VOC) emissions shall be determined in accordance with Method 25 of 40 CFR 60, Appendix A.	40 CFR 60 Subpart BBB §60.547(a)(2)
4. Method 311 of 40 CFR 63 Appendix A or supplier formulation data or any other reasonable means shall be used in the determination of HAP content in any cement or solvent used in this process.	40 CFR 63 Subpart XXXX §63.5994(a)
5. In order to demonstrate compliance with the applicable emission limits for tire production affected sources using the compliance alternative described in § 63.5985(a) (purchase alternative), Method 311 40 CFR 63 Appendix A, supplier formulation data, or any other reasonable means shall be used in the determination of HAP content in any cement or solvent used in this process.	40 CFR 63 Subpart XXXX §63.5994(b)(1)
6. Other reasonable means include, but are not limited to: Safety Data Sheets (SDS); certified product data sheets (CPDS); or manufacturer's hazardous air pollutant data sheets.	40 CFR 63 Subpart XXXX §63.5994(a)(1)
<u>Emission Monitoring</u>	
1. Compliance with the VOC and HAP limits shall be based upon materials use and inventory records.	Rule 335-3-16-.05(c)
2. Each curing press shall be inspected on at least an annual basis to ensure that the units are being maintained in such a manner as to minimize the emission of air contaminants.	Rule 335-3-14-.04 BACT
3. Procedures shall be established to ensure that the tires cured in each press are the appropriate size.	Rule 335-3-14-.04 BACT
4. The temperature of each press shall be monitored continuously in order to ensure that the tires are cured at the appropriate temperature.	Rule 335-3-14-.04 BACT
<u>Recordkeeping and Reporting Requirements</u>	
1. Records of any inspections and maintenance activities performed on the curing presses shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.	Rule 335-3-16-.05(c)(2)

Federally Enforceable Provisos	Regulations
2. Records of the type, quantity, and VOC content, expressed in both pounds per gallon (lb/gal) and percent by weight (%), of each cement or spray used in the green tire spraying operations each month shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.	Rule 335-3-16-.05(c)(2)
3. Records summarizing the monthly and twelve (12) month rolling total of VOC emissions, expressed in both pounds (lb) and tons, from the 12 x 6 Tread Line and three (3) Plummer 8900 Green Tire Sprayers shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.	Rule 335-3-16-.05(c)(2)
4. Records summarizing the results of monthly performance tests required under §60.543(b)(1) shall be maintained for at least five (5) years from the date of generation.	40 CFR 60 Subpart BBB - §60.545(e)
5. Records summarizing the monthly VOC emissions associated with the curing of SFR, expressed in tons, shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.	Rule 335-3-16-.05(c)(2)
6. Records documenting the curing area rubber throughput, expressed in pounds per day (lb/day), shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.	Rule 335-3-16-.05(c)(2)
7. Monthly and updated twelve (12) monthly VOC emissions records shall be compiled no later than the fifteenth (15 th) day of the month following each monthly reporting period.	Rule 335-3-16-.05(c)(2)
8. During any month, twelve (12) month period, or other compliance period during which there is an exceedance of the VOC emission limit, the Department shall be notified in writing within forty eight (48) hours or two (2) working days of determining the exceedance. The notification shall include the following:	40 CFR 60 Subpart BBB - §60.546
(a) Dates covered during the reporting period;	Rule 335-3-16-.06(c)(3)
(b) Amount of VOC used during the reporting period;	

Federally Enforceable Provisos**Regulations**

(c) Amount of VOC emitted during the reporting period;

(d) Description of the cause of the exceedance; and

(e) Description of any corrective action taken.

8. A semi-annual monitoring report shall be submitted to the Department according the following schedule:

Reporting Period	Due Date
January 1 st through June 30 th	August 29 th
July 1 st through December 31 st	March 1 st

40 CFR 60 Subpart
BBB - §60.546

Rule 335-3-16-.06(c)(3)

9. The semi-annual monitoring report shall include the following information:

40 CFR 60 Subpart
BBB - §60.546

(a) Dates covered during the reporting period;

Rule 335-3-16-.06(c)(3)

(b) Type and quantity (in gallons) of each VOC containing material used during the reporting period;

(c) VOC content of each material used (in both lb/gal and % by weight);

(d) Calculated amount of VOC emitted during the reporting period;

(e) Calculated amount of VOC emitted during the previous twelve (12) month period;

(f) Quantity of tires sprayed with an inside green tire spray;

(g) Grams of VOC discharged per tire (g/tire) sprayed with inside green tire spray;

(h) Calculated VOC emissions associated with the curing of SFR.

10. Records of Method 311 (40 CFR part 60, appendix A), or approved alternative method, test results indicating the mass percent of each HAP for each cement and solvent as purchased shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

40 CFR 63
Subpart XXXX

Table 9

Federally Enforceable Provisos**Regulations**

11. A list of each cement and solvent as purchased and the manufacturer or supplier of each shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

40 CFR 63
Subpart XXXX

Table 9

12. A Subpart XXXX annual compliance report shall be submitted to the Department according the following schedule:

40 CFR 63
Subpart XXXX

§63.6010(f)

Reporting Period	Due Date
January 1 st through December 31 st	March 1 st

13. Each Subpart XXXX annual compliance report shall include the following:

40 CFR 63
Subpart XXXX

(a) Facility name and address;

§63.6010(c) and (d)

(b) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report as outlined in General Proviso No. 9;

(c) Date of report and beginning and ending dates of the reporting period;

(d) If no deviations occurred during the reporting period, a statement that there were no deviations from the emission limitations;

(e) The emission limit option and compliance alternative method chosen;

(f) For each annual reporting period during which the source uses a cement or solvent that, as purchased, was not included in the list submitted with the Notification of Compliance Status in 63.6009(g), an updated list of all cements and solvents used, as purchased, at the affected source, and a statement certifying that each cement and solvent, as purchased, that was used at the affected source during the reporting period met the HAP constituent limits in Table 1 to Subpart XXXX;

(g) If deviations occurred during the reporting period, the report must contain the following information:

Federally Enforceable Provisos**Regulations**

- | Federally Enforceable Provisos | Regulations |
|--|-------------|
| <ul style="list-style-type: none">i. Total operating time of each affected source during the reporting period;ii. A statement of the duration and cause of each deviation;iii. A description of any corrective action initiated and completed. | |

Summary Page for Final Finishing

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
WSWDC1, WSWDC2	White Sidewall Grinding Operation with Cyclones	PM	0.46 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
		PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% opacity on six (6) minute average, except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4- .01(1)(a)(b)
EF 1H-PM	Blue Tire Spraying Operation	Listed HAP	1,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1
		Non-Listed HAP	10,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1
FGDC1, FGDC2, FGDC3, FGDC4, FGDC5	Twenty-four (24) Force Grinders with Cyclones	PM	$E = 3.59P^{0.62}$ $(P < 30 \text{ TPH})$ OR $E = 17.31P^{0.16}$ $(P \geq 30 \text{ TPH})$	ADEM Admin. Code r. 335-3-4-.04(1)
FGDC4	FG-16	PM	1.66 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
FGDC4	FG-17	PM	0.85 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
FGDC4	FG-18	PM	0.85 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
FGDC4, FGDC5	FG No. 19-21 (each)	PM	0.10 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)

FGDC5	FG No. 22-23 (each)	PM	0.156 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
FGDC4, FGDC5	FG No. 19-22 (combined)	VOC	0.25 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
FGDC1, FGDC2, FGDC3, FGDC4, FGDC5	Twenty-four (24) Force Grinders with Cyclones	Opacity	20% opacity on six (6) minute average, except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4- .01(1)(a)(b)
RROGDC1, RROGDC2	Eight (8) Radial Run Out Grinders with Cyclones	PM	$E = 3.59P^{0.62}$ ($P < 30$ TPH) OR $E = 17.31P^{0.16}$ ($P \geq 30$ TPH)	ADEM Admin. Code r. 335-3-4-.04(1)
RROGDC1	RROG Cyclone No. 1	PM	1.66 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
RROGDC1	RROG No. 1	PM	1.66 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
RROGDC1	RROG No. 2	PM	0.85 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
RROGDC1	RROG No. 3	PM	0.85 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
RROGDC1, RROGDC2	RROG No. 4-7 (each)	PM	0.20 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
RROGDC2	RROG No. 8	PM	0.60 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
RROGDC1, RROGDC2	RROG No. 4-7 (combined)	VOC	0.63 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)

RROGDC1, RROGDC2	Eight (8) Radial Run Out Grinders with Cyclones	Opacity	20% opacity on six (6) minute average, except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4- .01(1)(a)(b)
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Provisos for Final Finishing

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>“Major Source Operating Permits”</i> .	Rule 335-3-16-.03
2. These sources are subject to ADEM Admin. Code r. 335-3-4-.01(1), <i>“Control of Particulate Emissions – Visible Emissions”</i> .	Rule 335-3-4-.01(1)
3. These sources are subject to ADEM Admin. Code r. 335-3-4-.04, <i>“Control of Particulate Emissions for Process Industries - General”</i> .	Rule 335-3-4-.04(1)
4. Several of these units have enforceable limits in place in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, <i>“Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]”</i> .	Rule 335-3-14-.04 (Anti-PSD)
5. The blue tire spraying operation is subject to the applicable provisions of 40 CFR 63 Subpart XXXX, <i>“National Emissions Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing”</i> .	40 CFR 63 Subpart XXXX §63.5982(b)(1)
6. The blue tire spraying operation is subject to the applicable provisions of 40 CFR 63 Subpart A, <i>“General Provisions”</i> as listed in Table 17 of 40 CFR 63 Subpart XXXX.	40 CFR 63 Subpart XXXX §63.6013 – Table 17
<u>Emission Standards</u>	
1. Visible emissions from these units shall not exceed the opacity limitations as specified in General Proviso No. 29.	Rule 335-3-4-.01(1)
2. Particulate matter (PM) emissions from Force Grinders shall not exceed the limitations as specified in General Proviso No. 31.	Rule 335-3-4-.04(1)
3. Particulate matter (PM) emissions from the White Sidewall Grinding Operation shall not exceed 0.46 lb/hr.	Rule 335-3-14-.04 (Anti-PSD)
4. Particulate matter (PM) emissions from Force Grinder No. 16 and Radial Run Out Grinder No. 1 shall not exceed 1.66 lb/hr each.	Rule 335-3-14-.04 (Anti-PSD)
5. Particulate matter (PM) emissions from Force Grinders No. 17-18 and Radial Run Out Grinders No. 2-3 shall not exceed 0.85 lb/hr each.	Rule 335-3-14-.04 (Anti-PSD)

Federally Enforceable Provisos	Regulations
6. Particulate matter (PM) emissions from Force Grinders Nos. 19-21 shall not exceed 0.10 lb/hr each.	Rule 335-3-14-.04 (Anti-PSD)
7. Particulate matter (PM) emissions from Force Grinder Nos. 22-23 shall not exceed 0.156 lb/hr each.	Rule 335-3-14-.04 (Anti-PSD)
8. Particulate matter (PM) emissions from Radial Run Out Grinder Cyclone No. 1 shall not exceed 1.66 lb/hr	Rule 335-3-14-.04 (Anti-PSD)
9. Particulate matter (PM) emissions from Radial Run Out Grinders Nos. 4-7 shall not exceed 0.20 lb/hr each.	Rule 335-3-14-.04 (Anti-PSD)
10. Particulate matter (PM) emissions from Radial Run Out Grinder No. 8 shall not exceed 0.60 lb/hr.	Rule 335-3-14-.04 (Anti-PSD)
11. Combined Volatile Organic Compound (VOC) emissions from Force Grinders Nos. 19-22 shall not exceed a total of 0.25 lb/hr	Rule 335-3-14-.04 (Anti-PSD)
12. Combined Volatile Organic Compound (VOC) emissions from Radial Run Out Grinders Nos. 4-7 shall not exceed a total of 0.63 lb/hr.	Rule 335-3-14-.04 (Anti-PSD)
13. Content of each HAP listed in Table 16 of Subpart XXXX shall not exceed 1,000 grams of HAP per megagram (2 lb per ton) of total cements and solvents used.	40 CFR 63 Subpart XXXX §63.5984 – Table 1
14. Content of each HAP not listed in Table 16 of Subpart XXXX shall not exceed 10,000 grams of HAP per megagram (20 lb per ton) of total cements and solvents used.	40 CFR 63 Subpart XXXX §63.5984 – Table 1
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate matter (PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	Rule 335-3-1-.05
2. Visible emissions observations (VEO) shall be conducted in accordance with Method 9 of 40 CFR 60, Appendix A.	Rule 335-3-1-.05
3. If testing is required, volatile organic compound (VOC) emissions shall be determined in accordance with Method 25 of 40 CFR 60, Appendix A.	Rule 335-3-1-.05
4. Method 311 of 40 CFR 63 Appendix A or supplier formulation data or any other reasonable means shall be used in the determination of HAP content in any cement or solvent used in this process.	40 CFR 63 Subpart XXXX §63.5994(a)

Federally Enforceable Provisos	Regulations
<p>5. In order to demonstrate compliance with the applicable emission limits for tire production affected sources using the compliance alternative described in § 63.5985(a), purchase alternative, Method 311 40 CFR 63 Appendix A, supplier formulation data, or any other reasonable means shall be used in the determination of HAP content in any cement or solvent used in this process.</p>	<p>40 CFR 63 Subpart XXXX</p> <p>§63.5994(b)(1)</p>
<p>6. Other reasonable means include, but are not limited to: Safety Data Sheets (SDS); certified product data sheets (CPDS); or manufacturer's hazardous air pollutant data sheets.</p>	<p>40 CFR 63 Subpart XXXX</p> <p>§63.5994(a)(1)</p>
<p><u>Emission Monitoring</u></p>	
<p>1. Compliance with the VOC and HAP limits shall be based upon materials use and inventory records.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>2. An observation of instantaneous visible emissions from each dust collector cyclone associated with these units shall be accomplished weekly while in operation by an individual certified to determine opacity.</p>	<p>Rule 335-3-16-.05(c)(1)</p>
<p>3. If the observed instantaneous opacity from any unit is greater than ten (10%) percent, a series of fifteen (15) second visible emissions observation shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR 60 Appendix A, Method 9 for a minimum of twelve (12) consecutive minutes.</p>	<p>Rule 335-3-16-.05(c)(1)</p>
<p>4. If the six (6) minute average opacity during any Method 9 visible emission observation exceeds ten (10%) percent, corrective action shall be initiated within two (2) hours.</p>	<p>Rule 335-3-16-.05(c)(1)</p>
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<p>1. Records of the observation date, observation time, emission point designation, name of the observer, expiration date of observer's certification, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.</p>	<p>Rule 335-3-16-.05(c)(2)</p>

Federally Enforceable Provisos**Regulations**

2. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report form. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.

Rule 335-3-16-.05(c)(2)

3. A semi-annual monitoring report shall be submitted to the Department according the following schedule:

Rule 335-3-16-.05(c)(3)

Reporting Period	Due Date
January 1 st through June 30 th	August 29 th
July 1 st through December 31 st	March 1 st

4. The semi-annual monitoring report shall include the following information:

Rule 335-3-16-.05(c)(3)

- (a) Calendar dates covered in the reporting period;
- (b) A detailed description of every instance in which six (6) minute average visible emissions greater than ten (10%) percent were observed, to include the date, time, cause of the visible emissions, and the corrective action taken;
- (c) A copy of every Method 9 VEO form generated during the reporting period;
- (d) A statement of certification of truth, accuracy, and completeness as described in General Permit Proviso No. 9;
- (e) Signature of the responsible official as required by General Permit Proviso No. 9.

5. Records of Method 311 (40 CFR part 60, appendix A), or approved alternative method, test results indicating the mass percent of each HAP for each cement and solvent as purchased shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

40 CFR 63 Subpart
XXXX

Table 9

Federally Enforceable Provisos**Regulations**

6. A list of each cement and solvent as purchased and the manufacturer or supplier of each shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

40 CFR 63 Subpart
XXXX

Table 9

7. A Subpart XXXX annual compliance report shall be submitted to the Department according the following schedule:

40 CFR 63 Subpart
XXXX

§63.6010(f)

Reporting Period	Due Date
January 1 st through December 31 st	March 1 st

8. Each Subpart XXXX annual compliance report shall include the following:

40 CFR 63 Subpart
XXXX

(a) Facility name and address;

§63.6010(c) and (d)

(b) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report as outlined in General Proviso No. 9;

(c) Date of report and beginning and ending dates of the reporting period;

(d) If no deviations occurred during the reporting period, a statement that there were no deviations from the emission limitations;

(e) The emission limit option and compliance alternative method chosen;

(f) For each annual reporting period during which the source uses a cement or solvent that, as purchased, was not included in the list submitted with the Notification of Compliance Status in 63.6009(g), an updated list of all cements and solvents used, as purchased, at the affected source, and a statement certifying that each cement and solvent, as purchased, that was used at the affected source during the reporting period met the HAP constituent limits in Table 1 to Subpart XXXX;

(g) If deviations occurred during the reporting period, the report must contain the following information:

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> i. Total operating time of each affected source during the reporting period; ii. A statement of the duration and cause of each deviation; iii. A description of any corrective action initiated and completed. 	

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Summary Page for Miscellaneous Solvent Use

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Misc. Solvent Use	Miscellaneous Solvent Use	VOC	N/A	N/A
		Listed HAP	1,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1
		Non-Listed HAP	10,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1

Provisos for Miscellaneous Solvent Use

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	Rule 335-3-16-.03
2. Process equipment cleaning materials are subject to the applicable requirements of 40 CFR 63 Subpart XXXX, “ <i>National Emissions Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing</i> ”.	40 CFR 63 Subpart XXXX §63.5982(b)(1)
3. Process equipment cleaning materials are subject to the applicable requirements of 40 CFR 63 Subpart A, “ <i>General Provisions</i> ”, as listed in Table 17 of 40 CFR 63 Subpart XXXX.	40 CFR 63 Subpart XXXX §63.6013 – Table 17
<u>Emission Standards</u>	
1. Content of each HAP listed in Table 16 of Subpart XXXX shall not exceed 1,000 grams of HAP per megagram (2 lb per ton) of total cements and solvents used.	40 CFR 63 Subpart XXXX §63.5984 – Table 1
2. Content of each HAP not listed in Table 16 of Subpart XXXX shall not exceed 10,000 grams of HAP per megagram (20 lb per ton) of total cements and solvents used.	40 CFR 63 Subpart XXXX §63.5984 – Table 1
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, volatile organic compound (VOC) emissions shall be determined in accordance with Method 25 of 40 CFR 60 Appendix A.	Rule 335-3-1-.05
2. Method 311 of 40 CFR 63 Appendix A, supplier formulation data, or any other reasonable means shall be used in the determination of HAP content in any cement or solvent used in this process.	40 CFR 63 Subpart XXXX §63.5994(a)
3. In order to demonstrate compliance with the applicable emission limits for tire production affected sources using the compliance alternative described in § 63.5985(a) (purchase alternative), Method 311 40 CFR 63 Appendix A, supplier formulation data, or any other reasonable means shall be used in the determination of HAP content in any cement or solvent used in this process.	40 CFR 63 Subpart XXXX §63.5994(b)(1)
4. Other reasonable means include, but are not limited to: Safety Data Sheets (SDS); certified product data sheets (CPDS); or manufacturer’s hazardous air pollutant data sheets.	40 CFR 63 Subpart XXXX §63.5994(a)(1)

Federally Enforceable Provisos	Regulations				
<u>Emission Monitoring</u>					
1. Compliance with the HAP limits shall be based upon materials use and inventory records.	Rule 335-3-16-.05(c)				
<u>Recordkeeping and Reporting Requirements</u>					
1. Records of the type, quantity, and VOC content, expressed in both pounds per gallon (lb/gal) and percent by weight (%), of each solvent used in this process each month shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.	Rule 335-3-16-.05(c)(2)				
2. Records of Method 311 (40 CFR 60 Appendix A), or approved alternative method, test results indicating the mass percent of each HAP for each cement and solvent as purchased shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.	40 CFR 63 Subpart XXXX Table 9				
3. A list of each cement and solvent as purchased and the manufacturer or supplier of each shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.	40 CFR 63 Subpart XXXX Table 9				
4. A Subpart XXXX annual compliance report shall be submitted to the Department according the following schedule	40 CFR 63 Subpart XXXX §63.6010(f)				
<table border="1"> <thead> <tr> <th data-bbox="131 1365 626 1432">Reporting Period</th><th data-bbox="626 1365 1117 1432">Due Date</th></tr> </thead> <tbody> <tr> <td data-bbox="131 1432 626 1533">January 1st through December 31st</td><td data-bbox="626 1432 1117 1533">March 1st</td></tr> </tbody> </table>	Reporting Period	Due Date	January 1 st through December 31 st	March 1 st	
Reporting Period	Due Date				
January 1 st through December 31 st	March 1 st				
5. Each Subpart XXXX annual compliance report shall include the following: (a) Facility name and address; (b) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report as outlined in General Proviso No. 9;	40 CFR 63 Subpart XXXX §63.6010(c) and (d)				

Federally Enforceable Provisos**Regulations**

- (c) Date of report and beginning and ending dates of the reporting period;
- (d) If no deviations occurred during the reporting period, a statement that there were no deviations from the emission limitations;
- (e) The emission limit option and compliance alternative method chosen;
- (f) For each annual reporting period during which the source uses a cement or solvent that, as purchased, was not included in the list submitted with the Notification of Compliance Status in 63.6009(g), an updated list of all cements and solvents used, as purchased, at the affected source, and a statement certifying that each cement and solvent, as purchased, that was used at the affected source during the reporting period met the HAP constituent limits in Table 1 to Subpart XXXX;
- (g) If deviations occurred during the reporting period, the report must contain the following information:
 - i. Total operating time of each affected source during the reporting period;
 - ii. A statement of the cause of each deviation;
 - iii. A description of any corrective action initiated and completed.

Summary Page for Emergency Reciprocating Internal Combustion Engines

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Non-Emergency Use: 100 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
GEN-1	331 HP New Diesel-fired Emergency Generator	PM	N/A	N/A
		SO ₂	N/A	N/A
		NO _x	N/A	N/A
		CO	N/A	N/A
		VOC	N/A	N/A
		Opacity	20% opacity on six (6) minute average, except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)
GEN-2	157 HP Existing Diesel-fired Emergency Fire Pump	PM	N/A	N/A
		SO ₂	N/A	N/A
		NO _x	N/A	N/A
		CO	N/A	N/A
		VOC	N/A	N/A
		Opacity	20% opacity on six (6) minute average, except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)

GEN-3	92 HP Existing Natural Gas-fired Emergency Generator	PM	N/A	N/A
		SO ₂	N/A	N/A
		NO _x	N/A	N/A
		CO	N/A	N/A
		VOC	N/A	N/A
		Opacity	20% opacity on six (6) minute average, except for one emission of 40% opacity on six (6) minute average during any 60-minute period	ADEM Admin. Code r. 335-3-4- .01(1)(a)(b)

Provisos for Emergency Reciprocating Internal Combustion Engines

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>"Major Source Operating Permits"</i> .	Rule 335-3-16-.03
2. These units are subject to ADEM Admin. Code r. 335-3-4-.01(1), <i>"Control of Particulate Emissions – Visible Emissions"</i> .	Rule 335-3-4-.01(1)
3. These units are subject to the applicable requirements of 40 CFR Part 63 Subpart ZZZZ, <i>"National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE)"</i> .	40 CFR Part 63 Subpart ZZZZ
4. These units are subject to the applicable requirements of Subpart A of 40 CFR Part 63, <i>"General Provisions"</i> , as listed in Table 8 of Subpart ZZZZ.	40 CFR Part 63 Subpart ZZZZ
5. The 331 HP CI emergency generator is subject to the applicable requirements of 40 CFR Part 60 Subpart III, <i>"Standards of Performance for Stationary Compression Ignition Internal Combustion Engines"</i> .	40 CFR Part 60 Subpart III
<u>Emission Standards</u>	
1. Visible emissions from these units shall not exceed the opacity limitations as specified in General Proviso No. 29.	Rule 335-3-4-.01(1)
2. These units are subject to the applicable requirements listed in Table 2c of 40 CFR 63 Subpart ZZZZ, <i>"National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines"</i> .	40 CFR §63.6602
3. The Permittee must operate and maintain these units according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engines in a manner consistent with good air pollution control practice for minimizing emissions.	40 CFR §63.6625(e)(2)
4. These units shall be equipped with non-resettable hour meters.	40 CFR §63.6625(f)
5. These units may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company	40 CFR §63.6640(f)

Federally Enforceable Provisos	Regulations
<p>associated with the engine. Maintenance checks and readiness testing of these units are limited to 100 hours per year. There is no time limit on the use of these units in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. These units may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR 63 Subpart ZZZZ, is prohibited.</p> <p>6. During periods of startup, the facility must minimize the engines' time spent at idle and minimize the engines' startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.</p> <p>7. The 331 HP CI emergency generator must comply with the emission standards for new nonroad CI engines in §60.4202.</p>	<p></p> <p>40 CFR 63 Subpart ZZZZ</p> <p>§63.6625(h)</p> <p>40 CFR 60 Subpart III §60.4205(b)</p>
<u>Compliance and Performance Test Methods and Procedures</u>	
<p>1. Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A, shall be used in the determination of the opacity.</p>	<p>Rule 335-3-1-.05</p>
<u>Emission Monitoring</u>	
<p>1. The Permittee shall perform the following activities:</p> <ul style="list-style-type: none"> (a) Change oil and filter every 500 hours of operation or annually, whichever comes first; (b) Inspect air cleaner/spark plugs every 1,000 hours of operation or annually, whichever comes first; (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. <p>Or utilize an oil analysis program as described in §63.6625(i)-(j).</p>	<p>40 CFR Part 63 Subpart ZZZZ Table 2c</p> <p>§63.6602</p>

Federally Enforceable Provisos	Regulations
<p>2. If an oil analysis program is utilized for a stationary compression ignition engine, the Permittee must perform the oil analysis at the same frequency specified above for changing the oil. The Permittee must at a minimum analyze the following parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new, viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new, or percent water content (by volume) is greater than 0.5. If any of the limits are exceeded, the Permittee must change the oil within 2 business days of receiving the results of the analysis or before commencing operation, whichever is later.</p>	<p>40 CFR Subpart ZZZZ §63.6625(i)</p>
<p>3. If an oil analysis program is utilized for a stationary spark ignition engine, the Permittee must perform the oil analysis at the same frequency specified above for changing the oil. The Permittee must at a minimum analyze the following parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If any of the limits are exceeded, the Permittee must change the oil within 2 business days of receiving the results of the analysis or before commencing operation, whichever is later.</p>	<p>40 CFR Subpart ZZZZ §63.6625(j)</p>
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<p>1. The Permittee must keep records of the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.</p>	<p>40 CFR Subpart ZZZZ §63.6625(i)</p>
<p>2. The Permittee must keep records of the maintenance conducted on this unit in order to demonstrate that the operation and maintenance of this unit and after-treatment control devices (if any) are conducted according to the facility's maintenance plan or according to manufacturer's written instructions.</p>	<p>40 CFR §63.6655(e)</p>

Federally Enforceable Provisos**Regulations**

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| 3. The Permittee must keep records of the hours of operation of each engine that is recorded through a non-resettable hour meter. The facility must document how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation. | 40 CFR §63.6655(f) |
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